



# GNSS Firmware v5.6.2

---

## Release Notes

**May 2025**

©Copyright Topcon Positioning Systems, Inc. 2025.

All contents in this document are copyrighted by Topcon. All rights reserved. The information contained herein may not be used, accessed, copied, stored, displayed, sold, modified, published, or distributed, or otherwise reproduced without express written consent from Topcon.

Table of Contents

SUPPORTED PRODUCTS ..... 3

    SYSTEMS ..... 3

    OEM ..... 3

ACCOMPANYING TOPCON SOFTWARE AND FIRMWARE..... 3

FEATURES AND CHANGES ..... 3

    GENERAL ..... 3

## Supported Products

### *Systems*

- Topcon NET-G5, HiPer HR, HiPer VR, HiPer CR, MM-2, MR-2, GR-5+
- Sokkia GNR5, GRX3, GCX3

### *OEM*

- Topcon B111, B111A, B125, B210, B310

## Accompanying Topcon Software and Firmware

- To access all new features and improved functionality available in GNSS Firmware 5.6.2 or later, the following Topcon software versions (or later) are recommended:
  - TRU v4.0
  - Topcon Field and Office v9.0
  - Pocket 3D v15.5.1
- BLE Firmware v1.8 (HiPer VR, GRX3)

## Features and Changes

### *General*

- Skybridge improvement for Galileo HAS for HiPer HR, NET-G5 & GNR5 receivers
- Dynamic DNS and OpenVPN support for HiPer HR, NET-G5 & GNR5 receivers
- Improvements for signal support of QZSS L1C/B
- Improvements for second frequency support for Galileo E5B and BeiDou B2b for GCX3, HiPer CR, and B111/B111A
- Implemented new Skybridge mode “transmitted” to instantly receive datum offsets in Topnet Live networks
- Added triple/quadruple frequency PPP for Starpoint via NTRIP service
- Added BeiDou Data+Pilot B1C and B2a output
- Improvements to RINEX generation
- Updated TILT/HIMU with the World Magnetic Model 2025 data
- Added a command to output current reference station ID or currently used SBAS source
- For Galileo HAS, optimized performance and added Skybridge support
- Added F/NAV data support in LE message
- Updated antenna database
- General improvements to stability, tracking, positioning, and PPP

### *Fixed Issues*

- Fixed the V5 scintillation indicator message
- Addressed occasional occurrences of standalone solutions under scintillation conditions
- Fixed GSA output to align with selected NMEA protocol version
- In the NMEA GST message, fixed the issue with the RMS outputting zeroes
- Fixed code ID issue in BINEX for GPS L1C

- Improved signal tracking behavior after a short outage
- Fixed NET-G5 Bluetooth issue
- Improved RTCM3 decoder to handle unnecessary/unused signals in the corrections
- Fixed handling of various optional signals in the RTK corrections
- On the B210 board, fixed the LB message behavior
- On the B210 board, fixed a rare issue with GSV output